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MTC 6718
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Michael Lassner et al.
Serial No. 09/651,651
Filed August 30, 2000
For PLANT STEROL ACYLTRANSFERASES

December 28, 2000

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS,

SIR:

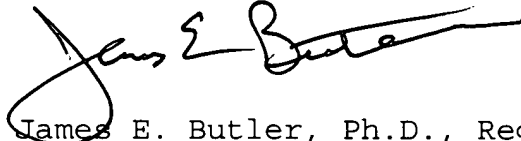
INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. 1.97 and 1.98 and MPEP 609, and in compliance with the duty of disclosure set forth in 37 C.F.R. 1.56, applicants submit copies of the references listed on the attached PTO/SB/08A for consideration by the Patent and Trademark Office in the above-entitled application and to be made of record herein.

This Information Disclosure Statement is being submitted pursuant to 37 C.F.R. 1.97(b) in that Applicant believes that it is being filed before the mailing date of the first Office action on the merits. Accordingly, neither a statement nor fee under 37 C.F.R. 1.97(c) is required. If Applicant is mistaken, and the mailing date of the first Office action on the merits precedes the filing of this Supplemental Information Disclosure Statement,

Applicant authorizes that the fee due under 37 C.F.R. 1.17(p) be charged to Deposit Account No. 19-1345

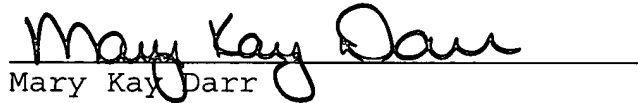
Respectfully submitted,



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CERTIFICATE OF MAILING

I certify that this Information Disclosure Statement and attached PTO/SB/08A are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this 28th day of December, 2000.


Mary Kay Darr

JEBmkd
*Attachments

PTO/SB/08A		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/651,651
		Filing Date	August 30, 2000
		First Named Inventor	Michael Lassner
		Group Art Unit	1646
		Examiner Name	
Sheet 1 of 6	Attorney Docket No.	MTC 6718	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	1	4,588,717 /		Mitchell	05-13-1986
	2	5,106,739 /		Comai et al.	04-21-1992
	3	5,244,887 /		Straub	09-14-1993
	4	5,270,041 /		Eugster et al.	12-14-1993
	5	5,348,886 /		Lee et al.	09-20-1994
	6	5,378,619 /		Rogers	01-03-1995
	7	5,420,034 /		Kridl et al.	05-30-1995
	8	5,593,874 /		Brown et al.	01-14-1997
	9	5,608,152 /		Kridl et al.	03-04-1997
	10	5,633,435 /		Barry et al.	05-27-1997
	11	5,639,790 /		Voelker et al.	06-17-1997
	12	5,693,507 /		Daniell	12-02-1997

Examiner Signature		Date Considered	
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FOREIGN PATENT DOCUMENTS							
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		Office	Number ⁴	Kind Code ² (if known)			
	13	EPO	0 120 515 ✓		Schilperoort	02-22-1990	X
	14	EPO	0 255 378 B1 ✓		Kridl	04-13-1994	X
	15	PCT	WO 96/38047 ✓		Lievense	12-05-1996	
	16	PCT	WO 97/10328 ✓		Zwick et al.	03-20-1997	X
	17	PCT	WO 97/42830 ✓		Ritter et al.	11-20-1997	
	18	PCT	WO 98/06405 ✓		Wester et al.	02-19-1998	
	19	PCT	WO 98/06714 ✓		Walsh	02-19-1998	
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ⁶
✓	20	ALTSCHUL et al., "Basic Local Alignment Search Tool", <i>J. Mole. Biol.</i> , Oct. 1990, pp. 403-10, Vol. 215, No. 3, Academic Press, Great Britain					
✓	21	BECHTOLD et al., "In planta <i>Agrobacterium</i> mediated gene transfer by infiltration of adult <i>Arabidopsis thaliana</i> plants", <i>Life Sciences</i> , Oct. 1993, pp. 1194-99, Vol. 316, No. 10, C.R. Acad, France					
✓	22	BENT et al., "RPS2 of <i>Arabidopsis thaliana</i> : A Leucine-Rich Repeat Class of Plant Disease Resistance Gene, <i>Science</i> , Sep. 1994, pp. 1856-60, Vol. 265, American Assoc. for the Advancement of Science, USA					

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Sheet	3	of	6	Attorney Docket No.	MTC 6718

	23	✓	CHANG et al., "Molecular Cloning and Functional Expression of Human Acyl-Coenzyme A:Cholesterol Acyltransferase cDNA in Mutant Chinese Hamster Ovary Cells", <i>Journal of Biological Chemistry</i> , Oct. 1993, pp. 20747-55, Vol. 268, Amer. Soc. Biochem. and Mol. Bio., USA.	
	24	✓	CHANG et al., "Acyl-Coenzyme A:Cholesterol Acyltransferase", <i>Annual Review of Biochemistry</i> , 1997, pp. 613-38, Vol. 66, Annual Reviews Inc., USA	
	25	✓	CHEN et al., "Functional analysis of regulatory elements in a plant embryo-specific gene", <i>Proceedings of the National Academy of Science</i> , Nov. 1986, pp. 8560-64, Vol. 83, No. 22, Natl. Acad. Sci., USA	
	26	✓	CORUZZI et al., "Tissue specific and light-regulated expression of a pea nuclear gene encoding the small subunit of ribulose-1,5-bisphosphate carboxylase", <i>The EMBO Journal</i> , Aug. 1984, pp. 1671-79, Vol. 3, No. 8, IRL Press, Great Britain	
	27	✓	COULSON, "High-performance searching of biosequence databases", <i>Trends in Biotechnology</i> , March 1994, pp. 76-80, Vol. 12, No. 3, Elsevier Science Ltd.	
	28	✓	DAHLQVIST et al., "Phospholipid:diacylglycerol acyltransferase: An enzyme that catalyzes the acyl-CoA-independent formation of triacylglycerol in yeast and plants", <i>Proc. Natl. Acad. Sci.</i> , June 2000, pp. 6487-92, Vol. 97, No. 12, Proc. Natl. Acad. Sci., USA	
	29	✓	DEPICKER et al., "Nopaline Synthase: Transcript Mapping and DNA Sequence", <i>J. Mol. and Appl. Gene.</i> , 1982, pp. 561-73, Vol. 1, No. 6, Raven Press, New York	
	30	✓	DEVEREUX et al., "A comprehensive set of sequence analysis programs for the VAX", <i>Nuc. Acids Res.</i> , Aug. 1983, pp. 387-95, IRL Press, Great Britain	
	31		DITTA et al., "Broad host range DNA cloning system for Gram-negative bacteria: Construction of a gene bank of <i>Rhizobium meliloti</i> ", <i>Proc. Natl. Acad. Sci.</i> , Dec. 1980, pp. 7347-51, Vol. 77, No. 12, Natl. Acad. Sci., USA ✓	
	32		FLING et al., "Nucleotide sequence of the transposon Tn7 gene encoding an aminoglycoside-modifying enzyme, 3'(9)-O-nucleotidyltransferase", <i>Nuc. Acids Res.</i> , May 1985, pp. 7095-7106, Vol. 13, No. 19, IRL Press, Great Britain ✓	
	33		FROHMAN et al., "Rapid production of full-length cDNAs from rare transcripts: Amplification using a single gene-specific oligonucleotide primer", <i>Proc. Natl. Acad. Sci.</i> , Dec. 1988, pp. 8998-9002, Vol. 85, No. 23, Natl. Acad. Sci., USA	

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34	GOODWIN, "Biosynthesis of Plant Sterols and Other Triterpenoids", <i>Biosynthesis of Isoprenoid Compounds</i> , 1981, pp. 444-80, Vol. 1, John Wiley & Sons, USA	
35	HENIKOFF et al., "Amino acid substitution matrices from protein blocks", <i>Proc. Natl. Acad. Sci.</i> , Nov. 1992, pp. 10915-19, Vol. 89, No. 22, Natl. Acad. Sci., USA	
36	HOLSTERS et al., "Transfection and Transformation of <i>Agrobacterium tumefaciens</i> ", <i>Molec. Gen. Genet.</i> , 1978, pp. 181-87, Vol. 163, Springer International	
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39	KLEIN et al., "Transformation of Microbes, Plants and Animals by Particle Bombardment", <i>Biotechnology</i> , Mar. 1992, pp. 286-91, Vol. 10, No. 3, Nature Publishing Co., USA	
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41	LEISY et al., "Expression of a rice glutelin promoter in transgenic tobacco", <i>Plant Mol. Bio.</i> , 1989-90, pp. 41-50, Vol. 14, Kluwer Academic Publishers, Belgium	
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46	NEEDLEMAN et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", <i>J. Molec. Biol.</i> , Mar. 1970, pp. 443-53, Vol. 48, Academic Press, Great Britain	
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54	SVAB et al., "High-frequency plastid transformation in tobacco by selection for a chimeric <i>aadA</i> gene", <i>Proc. Natl. Acad. Sci.</i> , Feb. 1993, pp. 913-17, Vol. 90, No. 3, Natl. Acad. Sci., USA	
55	UELEMEN et al., "Tissue-specific Expression and Cholesterol Regulation of Acylcoenzyme A: Cholesterol Acyltransferase (ACAT) in Mice", <i>J. Biol. Chem.</i> , Nov. 1995, pp. 16192-201, Vol. 270, No. 44, Amer. Soc. Biochem. and Mol. Biol., USA	
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	57	WATERHOUSE et al., "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA", <i>Proc. Natl. Acad. Sci.</i> , Nov. 1998, pp. 13959-64, Vol. 95, No. 23, Natl. Acad. Sci., USA	
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